10. Create a Java program to demonstrate inheritance by designing an Employee superclass and a Manager subclass. The program should include the appropriate methods to demonstrate the inheritance hierarchy.

Code

```
class Employee {
    int empId;
    String name;
    double salary;

    // Constructor
    Employee(int id, String n, double sal) {
        empId = id;
        name = n;
        salary = sal;
    }

    // Method to display employee details
    void displayEmployee() {
        System.out.println("Employee ID: " + empId);
        System.out.println("Name: " + name);
        System.out.println("Salary: " + salary);
    }
}
```

```
// Manager subclass inherits Employee
class Manager extends Employee {
    String department;
    double bonus;

    // Constructor
    Manager(int id, String n, double sal, String dept, double
b) {
        super(id, n, sal);
        department = dept;
        bonus = b;
    }

    // Method to display manager details
    void displayManager() {
        displayEmployee();
        System.out.println("Department: " + department);
        System.out.println("Bonus: " + bonus);
        System.out.println("Total Salary: " + (salary + bonus));
    }
}

public class InheritanceDemo {
    public static void main(String[] args) {
```

```
        Manager m1 = new Manager(101, "Ali", 50000,
"Sales", 10000);


        System.out.println("Manager Details:");
        m1.displayManager();
    }
}
```